

STRAND COATING DEVICE AND METHOD

Abstract

[0070] Continuous void-free uniform coatings are formed on filamentous articles by
5 applying a voided or otherwise substantially uneven coating to at least some of the
exposed portion of a filamentous article or to a rotating substrate. The filamentous article
or substrate is passed through an improvement station containing a plurality of coating-
wetted rolls that contact and re-contact the wet coating at different positions along the
length of the filamentous article or rotating substrate, wherein the periods of the rolls
10 improve the uniformity of the coating. For coatings applied to a rotating substrate, the
uniform wet coating is transferred to the filamentous article. The final coating can be very
thin, very uniform and completely or substantially void-free. The coating improvement
can be quickly and easily obtained using low cost equipment.